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**POWER OF ATTORNEY  
OR  
REVOCATION OF POWER OF ATTORNEY  
WITH A NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

<b>Application Number</b>	Attached
<b>Filing Date</b>	
<b>First Named Inventor</b>	
<b>Title</b>	
<b>Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.**OR**

☒ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

73658

**OR**

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number.**OR**☐ The address associated with Customer Number:**OR**

<input type="checkbox"/> Firm or Individual Name
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Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.**OR**☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on \_\_\_\_\_.

**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Thomas J. Arria

Date

5/24/12

Telephone

781-219-8760

Title and Company

Sr. IP Specialist, Patenting

**NOTE:** Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**Statement Under 37 C.F.R. 3.73(b)**

Owner: **Nokia Corporation**

Application Nos.: **See Attached**

Nokia Corporation,  
(Type of Assignee)

a corporation  
(Name of Assignee)

states that it is:

the assignee of the entire right, title and interest in:

the patent applications **identified on the attached list** by virtue of assignment( s) from the inventor(s) of the patent application(s).

The assignments were recorded in the United States Patent and Trademark Office on the Reel and Frame numbers listed on the attached list.

The undersigned is authorized to act on behalf of the assignee.

Signature: 

Date: 5/24/12

Name: Thomas J. Arria

Registration No.: 60,223

Title: Sr. IP Specialist, Patenting

**Revocation of Power of Attorney with a New Power of Attorney and Change of Correspondence**  
**Address Applications List**

<b>Application No.:</b>	<b>Filing Date</b>	<b>Confirmation No.:</b>	<b>Assignment: Reel/Frame</b>
10/795083 (Pat. No. 7161983)	03/05/2004	6633	015053/0928
10/941915 (Pat. No. 7319874)	09/16/2004	9267	015808/0315
11/519426 (Pat. No. 7474884)	09/11/2006	3902	020314/0238
10/712370 (Pat. No. 7631037)	11/14/2003	1439	015202/0143
09/283808 (Pat. No. 6466585)	04/01/1999	1511	009997/0526
09/342367 (Pat. No. 6477156)	06/29/1999	6443	019063/0188
09/452084 (Pat. No. 6510174)	11/30/1999	9851	010783/0747
09/321824 (Pat. No. 6560443)	05/28/1999	7096	010183/0138
09/740802 (Pat. No. 6563739)	12/21/2000	6415	012318/0240
09/474184 (Pat. No. 6603809)	12/29/1999	1960	010894/0421
10/007088 (Pat. No. 6624769)	12/06/2001	3187	012670/0744
09/604733 (Pat. No. 6628266)	06/28/2000	5492	010902/0818
09/619824 (Pat. No. 6654928)	07/20/2000	2736	010978/0585
09/721618 (Pat. No. 6662004)	11/27/2000	3639	011289/0652
09/985729 (Pat. No. 6674060)	11/06/2001	4229	012562/0183
09/944420 (Pat. No. 6675012)	08/31/2001	1225	012402/0084
09/396691 (Pat. No. 6675015)	09/15/1999	7815	011031/0225
09/694491 (Pat. No. 6691090)	10/24/2000	9468	011253/0014
09/967391 (Pat. No. 6693568)	09/28/2001	5695	012402/0246
09/982379 (Pat. No. 6693973)	10/17/2001	8571	013272/0269
09/878828 (Pat. No. 6697624)	06/11/2001	3197	012094/0442
10/087531 (Pat. No. 6697628)	03/01/2002	1449	013108/0456
09/489327 (Pat. No. 6711209)	01/21/2000	5695	026101/0538

<b>Application No.:</b>	<b>Filing Date</b>	<b>Confirmation No.:</b>	<b>Assignment: Reel/Frame</b>
09 692794 (Pat. No. 6731939)	10/20/2000	6380	011270/0210
09/474215 (Pat. No. 6741658)	12/29/1999	2004	010894/0417
09/432390 (Pat. No. 6744924)	11/02/1999	9976	017389/0597
09/482857 (Pat. No. 6747968)	01/14/2000	7599	010741/0676
09/916697 (Pat. No. 6775533)	07/27/2001	9273	012190/0802
09/752425 (Pat. No. 6823186)	12/28/2000	9882	011679/0009
09/733097 (Pat. No. 6829288)	12/11/2000	3505	011758/0347
09/987987 (Pat. No. 6835923)	11/16/2001	7991	012542/0749
09/613952 (Pat. No. 6842605)	07/11/2000	1944	011288/0189
10/334045 (Pat. No. 6842632)	12/30/2002	2253	013967/0756
10/085941 (Pat. No. 6901115)	02/28/2002	4377	012657/0316
10/157161 (Pat. No. 6909434)	05/30/2002	8549	012953/0452
09/369221 (Pat. No. 6914890)	08/05/1999	6499	010507/0347
10/152882 (Pat. No. 6937605)	05/21/2002	6909	013180/0492
10/260170 (Pat. No. 6940828)	09/30/2002	8284	014016/0817
10/600993 (Pat. No. 6947449)	06/20/2003	5801	017230/0956
10/331181 (Pat. No. 6957074)	12/26/2002	1758	014009/0333
10/096925 (Pat. No. 6957292)	03/14/2002	8318	012871/0237
10/856206 (Pat. No. 6964107)	05/27/2004	2468	015800/0748
09/855640 (Pat. No. 6968005)	05/15/2001	1733	012080/0101
10/260070 (Pat. No. 6987952)	09/30/2002	6228	014291/0905
09/870260 (Pat. No. 6999472)	05/30/2001	7400	012094/0476
09/558974 (Pat. No. 7006447)	04/27/2000	1855	017389/0597
09/619660 (Pat. No. 7006576)	07/19/2000	2158	017389/0597
10/331172 (Pat. No. 7016657)	12/27/2002	1790	013369/0569

<b>Application No.:</b>	<b>Filing Date</b>	<b>Confirmation No.:</b>	<b>Assignment: Reel/Frame</b>
09/742055 (Pat. No. 7020332)	12/22/2000	8101	017389/0597
10/035649 (Pat. No. 7035469)	12/28/2001	4125	017389/0597
10/160213 (Pat. No. 7096019)	05/31/2002	3784	011076/0349
09/599138 (Pat. No. 7099339)	06/22/2000	7352	012246/0673
09/924582 (Pat. No. 7116714)	08/09/2001	2987	012246/0673
10/279953 (Pat. No. 7136638)	10/25/2002	1646	016469/0244
09/656225 (Pat. No. 7174295)	09/06/2000	9884	017389/0597
10/303824 (Pat. No. 7206456)	11/26/2002	3480	013753/0821
09/732294 (Pat. No. 7225410)	12/08/2000	2671	017389/0597
11/159700 (Pat. No. 7289807)	06/23/2005	4072	016729/0401
10/139213 (Pat. No. 7327882)	05/07/2002	3589	013086/0763
11/032778 (Pat. No. 7336837)	01/11/2005	7111	016535/0368
11/173292 (Pat. No. 7336928)	06/30/2005	9301	017047/0662
10/290491 (Pat. No. 7366145)	11/08/2002	3488	013742/0177
11/017426 (Pat. No. 7366511)	12/20/2004	5425	016288/0128
10/096491 (Pat. No. 7373120)	03/13/2002	7547	013285/0157
10/755111 (Pat. No. 7401300)	01/09/2004	9335	014884/0013
11/243209 (Pat. No. 7405816)	10/04/2005	6491	017375/0843
10/771889 (Pat. No. 7433708)	02/04/2004	3881	014966/0121
11/173701 (Pat. No. 7440751)	06/30/2005	9792	016999/0686
10/922330 (Pat. No. 7453446)	08/20/2004	2624	016030/0984
10/900472 (Pat. No. 7454748)	07/27/2004	7099	015937/0406
11/335011 (Pat. No. 7455532)	01/18/2006	7252	017805/0950
11/120019 (Pat. No. 7461246)	05/02/2005	9692	016528/0469
10/909508 (Pat. No. 7463247)	08/02/2004	5935	015944/0627

<b>Application No.:</b>	<b>Filing Date</b>	<b>Confirmation No.:</b>	<b>Assignment: Reel/Frame</b>
11/477881 (Pat. No. 7480451)	06/29/2006	7276	019034/0284
10/325736 (Pat. No. 7489691)	12/23/2002	3289	016251/0604
10/372771 (Pat. No. 7535894)	02/26/2003	2829	014158/0304
09/558378 (Pat. No. 7574480)	04/26/2000	9534	017375/0769
11/775141 (Pat. No. 7586425)	07/09/2007	4500	019734/0753
11/180293 (Pat. No. 7597262)	07/13/2005	1053	016585/0298
10/689601 (Pat. No. 7649865)	10/22/2003	3866	014944/0429
11/226502 (Pat. No. 7649959)	09/14/2005	4078	017288/0829
11/023233 (Pat. No. 7667186)	12/27/2004	8319	016318/0128
11/384987 (Pat. No. 7684688)	03/20/2006	1869	018054/0612
11/023657 (Pat. No. 7689932)	12/28/2004	3487	016321/0414
11/412515 (Pat. No. 7697471)	04/27/2006	8469	018070/0527
11/127706 (Pat. No. 7697923)	05/12/2005	6799	016792/0275
09/854461 (Pat. No. 7711052)	05/15/2001	8072	017389/0597
11/696130 (Pat. No. 7711718)	04/03/2007	3862	019381/0092
10/705973 (Pat. No. 7751818)	11/13/2003	6783	014698/0773
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10/069667 (Pat. No. 6813503)	06/03/2002	3639	013035/0161
10/095078 (Pat. No. 6823052)	03/12/2002	5716	012917/0969
09/646419 (Pat. No. 6853851)	03/18/1999	8739	011443/0096
10/009297 (Pat. No. 6952578)	06/07/2000	5737	013162/0824
09/959414 (Pat. No. 6985754)	04/25/2000	1682	012842/0721
09/763885 (Pat. No. 7006472)	08/27/1999	3477	012310/0060
09/674329 (Pat. No. 7103018)	04/27/1999	5206	017389/0597
10/296964 (Pat. No. 7107031)	05/30/2001	3781	014234/0188

<b>Application No.:</b>	<b>Filing Date</b>	<b>Confirmation No.:</b>	<b>Assignment: Reel/Frame</b>
10/168377 (Pat. No. 7116700)	12/22/1999	8619	017581/0471
10/290510 (Pat. No. 7277408)	11/08/2002	3472	017514/0148
10/296478 (Pat. No. 7289504)	05/31/2000	7322	016210/0789
10/070107 (Pat. No. 7358899)	08/31/2000	9608	013109/0615
09/720971 (Pat. No. 7382882)	07/02/1999	2137	011744/0769
10/239142 (Pat. No. 7389105)	03/23/2001	2423	014021/0675
10/432010 (Pat. No. 7447270)	11/17/2000	3392	014641/0038
10/584428 (Pat. No. 7486231)	12/16/2004	1314	019076/0943
09/662891 (Pat. No. 7502626)	09/15/2000	2333	017389/0597
10/130406 (Pat. No. 7590407)	11/24/2000	2397	013690/0087
10/311715 (Pat. No. 7664073)	02/06/2001	2419	014690/0743